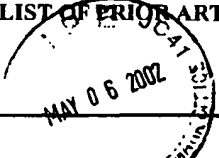


PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 20366.US		SERIAL NO. 09/980,515	
<b>LIST OF PRIOR ART CITED BY APPLICANT</b> 				APPLICANT Niemi			
				FILING DATE I.A. filed 5/5/200		GROUP	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIALS	CLASS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>M</i>	AA	4,831,641	5-16-89	Niemi	—	—	
<i>M</i>	AB	5,024,334	6-18-91	Misra et al.	—	—	
<i>M</i>	AC	5,038,258	8-6-91	Koch et al.	—	—	
<i>M</i>	AD	5,379,103	1-3-95	Zigler	—	—	
<i>M</i>	AE	5,396,260	3-7-95	Adel et al.	—	—	
<i>M</i>	AF	5,555,984	9-17-96	Sommer, Jr. et al.	—	—	
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>M</i>	AG	GB 2 084 723A	4-15-82	UK			
<i>M</i>	AH	WO 97/43027	11-20-97	PCT			
<i>M</i>	AI	WO 97/45203	12-4-97	PCT			
<i>M</i>	AK	WO 81/02466	9-3-81	PCT			
<b>OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)</b>							
<i>M</i>	AL		"The Development of a Color Sensor System to Measure Mineral Compositions"; Oestreich, et al.; Minerals Engineering, Vol 8, Nos. 1/2 pp. 31-39, 1995; Copyright 1994, Elsevier Science Ltd.				
<i>M</i>	AM		"A sensor for assessing the quality of the mineral flotation process"; Guarini et al.; Industrial Electronics, 1994. Symposium Proceedings, ISIE '94, 1994 IEEE International Symposium; pp 386-391				
<i>M</i>	AN		"Expert system for supervision of mineral flotation cells using artificial vision"; Cipriano et al.; Industrial Electronics, 1997. ISIE '97, Proceedings of the IEEE International Symposium, pp 149-153 vol. 1				
<i>M</i>	AO		"The classification of froth structures in a copper flotation plant by means of a neural net"; Moolman et al. International Journal of Mineral Processing, 43 (1995) 193-208				
<i>M</i>	AP		"Mass Transport in Flotation Froths"; Moys; Mineral Processing and Extractive Metallurgy Review, 1989, Vol. 5, Mass Transport in Flotation Froths; pp 203-228				
<i>M</i>	AQ		"Effect of Froth Structure and Mobility on Plant Performance"; Cutting; Mineral Processing and Extractive Metallurgy Review, Vol. 5; pp. 169-201				
<i>M</i>	AR		"On characterization of pulp froth in cells of flotation plant"; Niemi et al.; International Journal of Mineral Processing, 51 (1997) 51-65				
EXAMINER <i>Rubel</i>				DATE CONSIDERED 6 Nov 2002			
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							

**RECEIVED**  
MAY 17 2002  
TC 1700